Date:

Wednesday, 10/31/2007 3:26:08 PM

User:

Kim Johnston

Process Sheet

: TUBE **Drawing Name** Customer : CU-DAR001 Dart Helicopters Services Job Number : 35474 Estimate Number : D22827 **Part Number** P.O. Number D2282 REV E : 10/31/2007 **Drawing Number** This Issue : N/A Prsht Rev. Project Number : MACHINED PARTS First Issue **Drawing Revision** : 34183 Material Previous Run : 11/30/2007 Each **Due Date** Written By Checked & Approved By : Est Rev(A Removed from 9 Digit 05-12-02 JLM Comment **Additional Product** Job Number: Description: Machine Or Operation: Seq. #: 1.0 M304TR0675W091 304 RD Tube .675 x .091W Comment: Qtv.: 0.0699 f(s)/Unit Total: 8.3916 f(s) Material: T304/T316 3/8 Schedule 40, Seamless, Ø0.675" OD, 0.091" wall thickness (M304TR0.675W.091) 2.0 Comment: HARDINGE CNC LATHE SMALL 1-Turn as per Dwg D2282 and Folio FA190 2-Deburr 3.0 QC2 Comment: INSPECT PARTS AS THEY COME OFF MACHINE SECOND CHECK QC8 4.0 Comment: SECOND CHECK 5.0 PACKAGING 1 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: 513

Dart Ae	rospace	Lta					
W/O:		WORK ORDER C	HANGES				
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							-
Part No		PAR #: Fault Category:	NCR: Ye	s No DQ	A:	Date: _	04/11/10
			QA	: N/C Close	d:	Date: _	
NCR:		WORK ORDER NON-CONF	ORMANCE (NO	CR)			

NCR:		•	WORK ORD	ER NON-CONFORMAN	CE (NCR)					
		Description of NC		Corrective Action Section B						
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspecto		
William Windows & Manager										
							- -			

NOTE: Date & initial all entries

Date:

Wednesday, 10/31/2007 3:26:08 PM

User:

Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: TUBE

Job Number: 35474

Part Number: D22827

Job Number:



Seq. #:

Machine Or Operation:

Description:

6.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



L 87.11.12

Dart Ae	rospace Ltd							
W/O:			WORK ORDER	CHANGES				
DATE	STEP	PRO	OCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						-		
Part No	:	PAR #:	Fault Category:	NCR: Ye	es No DQ	A :	Date:	
				QA	: N/C Close	d:	_ Date: _	
NCR:			NORK ORDER NON-CON	FORMANCE (NO	CR)			

NCR:			WORK ORDER NON-CONFORMANCE (NCR)						
		Description of NC		Corrective Action Section B		Verification	Ammerial	Annanal	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspector	
							,		
							•		

NOTE: Date & initial all entries

DART AEROSPACE LTD	Work Order:	35474
Description: Handle Tube	Part Number:	D2282-7
Inspection Dwg: D2282 Rev: E		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST							
X First Article Prototype							
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments	
0.795	+/-0.010	.794					
0.493	+/-0.010	c484					
0.675	+/-0.010	.677					
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						1700000	
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Measured by:	Audited by:	Prototype Approval:	N/A
Date: 0 /11 / 99	Date: 07/11/09	Date:	N/A
		•	•

Rev	Date	Change	Revised by	Approved
Α	03.11.11	New Issue P/O D350-615-041	KJ/RF	
В	05.04.19	0.795 was 0.750	KJ/JLM	
С	06.03.15	Dwg Rev update	KJ/JLM ,	
D	07.07.17	Dimensions added per Dwg Rev. E	KJ/JLM	B
			77	

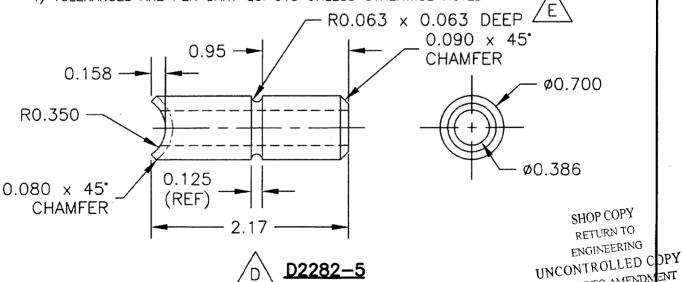
	DESIGN B	w	DRAWN BY		OSPACE LTD ONTARIO, CANADA
\\P_{\alpha\\rightar}\right\r	CHECKE	Dia	APPROVED	DRAWING NO.	REV. E
		4	Mo	D2282	SHEET 1 OF 2
	DATE			TITLE	SCALE
	05.06	5.07		HANDLE TUBES	1:1
	Α		94.10.14	NEW ISSUE	
DELXASEN	В		95.03.23	RE-DESIGN	
n de la	С		97.10.20	CORRECTED NUMBE	RING SCHEME
05/09/16	D		05.03.16	REDESIGN D2282-	5; 0.795 WAS 0.750
85/811.	E		05.06.07	D2282-5 304 SS R0.063 x 0.063 W	WAS 303 SS; AS R0.080 x 0.030

D2282-3

 $2.375_{-0.020}^{}$

D2282-3/-7 TUBE:

- 1) MATERIAL: T304/T316 3/8 SCHEDULE 40 (REF. DART SPEC. M304TR0.675W.091)
- 2) BREAK ALL UMARKED SHARP EDGES 0.005 TO 0.010
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED



D2282-5 STEM:

- 1) MATERIAL: AISI 304 STAINLESS STEEL (REF. DART SPEC. M304R0.750)
- 2) BREAK ALL UMARKED SHARP EDGES 0.005 TO 0.010
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

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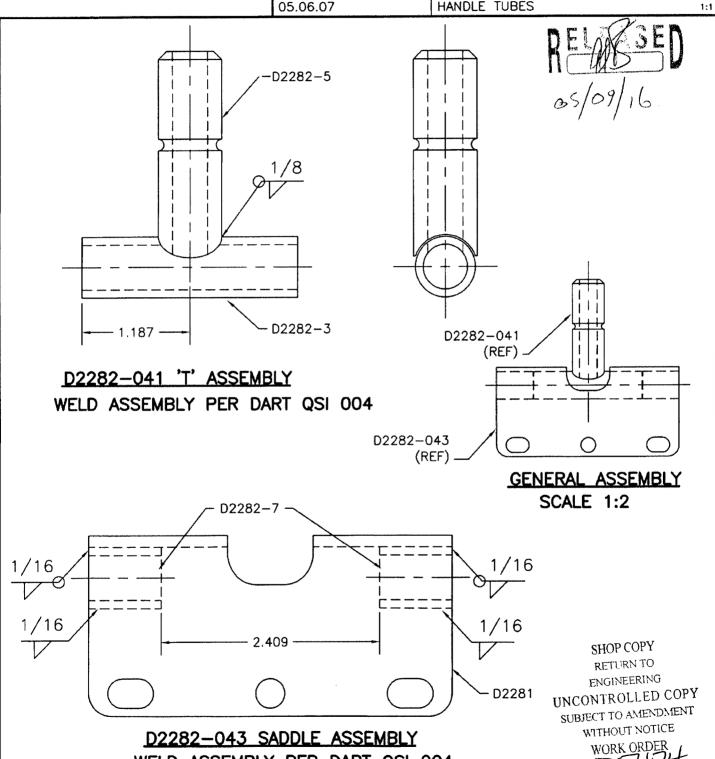
SUBJECT TO AMENDMENT

Ø0.675 (REF)

Ø0.493 (REF)



DESIGN BW	DRAWN BY	DART AEROS HAWKESBURY, ONT	· · · -
CHECKED	APPROVED	DRAWING NO.	REV. E
U'	land	D2282	SHEET 2 OF 2
DATE	1 0(6) =	TITLE	SCALE
05.06.07		HANDLE TUBES	1:1



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WELD ASSEMBLY PER DART QSI 004